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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/672,607	09/26/2003	Purva R. Rajkotia	2003.08.007.WS0	1965

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EXAMINER

MARSH, OLIVIA MARIE

ART UNIT	PAPER NUMBER
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2617

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/11/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/672,607

Applicant(s)

RAJKOTIA ET AL.

Examiner

Olivia Marsh

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 October 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 21-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 21, 28, 35 and 40 is/are rejected.
- 7) ☒ Claim(s) 22-27, 29-34, and 36-39 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed October 2nd, 2006 have been fully considered but they are not persuasive.

Regarding claims 21, 28, and 35, Applicant states, on page 10, paragraph 2:

There is however, no teaching or disclosure of a registration message that is initiated from the mobile station before the mobile station registration is complete in a wireless communication system, as required by amended independent Claim 21. Similarly, the Williams reference fails to teach or disclose a mobile station capable of sending in the traffic channel a registration message to the base station before the mobile station registration is complete in the wireless communication system, as required by amended independent Claim 28. In addition, the Williams reference fails to teach or disclose initiating and sending the mobile station a registration message in a traffic channel to a base station before registering the mobile station in a mobile switching center, as required in amended independent Claim 35.

The Examiner respectfully disagrees. Williams discloses the subscriber unit (303) acquires a frame sync with a serving radio port (307) and then transmits a registration message to the RP 307 on the selected radio traffic channel (summarized, column 12, lines 61-66). The serving radio port (307) of Williams *does not* request registration information from the subscriber unit; however, the subscriber unit begins the registration process in each of Williams' registration embodiments (Figures 3 and 4). Williams also discloses the registration message is

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sent to the RPCU/RP 307 (column 12, lines 65-66), reading on claimed "mobile switching center." The Examiner also contends the connection between the subscriber unit (303) and RP (101, 104) is a radio, or wireless, connection (Figure 1), therefore reading on claimed "wireless communication system." Therefore, the Examiner will maintain the rejection.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 21, 28, 35, and 40 are rejected under 35 U.S.C. 102(b) as being anticipated by Williams et al (U.S. 5475735 A).**

As to **claim 21**, Williams discloses:

An apparatus (**RP 101, 104**) for providing mobile station registration (**column 5, lines 13-17; Figure 1**), wherein the apparatus comprises:

a base station (**RP 101, 104**) capable of receiving a registration message in a traffic channel from a mobile station (**portable 109, 110**), wherein the registration message is initiated from the mobile station before the mobile station registration is complete in a wireless communication system (**column 12, lines 61-67; column 13, lines 1-5**).

As to **claim 28**, Williams discloses:

A wireless communication system (**Figure 1**) comprising:

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a mobile switching center (RCPU) capable of providing mobile station registration in a traffic channel (column 8, lines 19-22; column 12, lines 64-66); and

a mobile station (portable 109, 110) capable of sending in the traffic channel a registration message to the base station (RP 101, 104) before the mobile station registration is complete in a wireless communication system (column 12, lines 61-67; column 13, lines 1-5).

As to claim 35, Williams discloses:

For use in a wireless communication system, a method for registering a mobile station (column 5, lines 13-17), wherein the method comprises the steps of:

initiating and sending from the mobile station a registration message in a traffic channel to a base station before registering the mobile station in a mobile switching center (column 12, lines 61-67; column 13, 1-5).

As to claim 40, Williams discloses everything as applied in claim 35 and Williams also discloses:

sending from the mobile station the registration message in a traffic channel to a traffic channel registration controller in the base station (column 12, lines 61-67; column 13, lines 1-4); and
registering the mobile station by the mobile switching center (column 13, lines 4-5).

Allowable Subject Matter

3. Claims 22-27, 29-34, 36-39 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Olivia Marsh whose telephone number is 571-272-7912. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


CHARLES APPIAH
PRIMARY EXAMINER